

Product datasheet for **SC301685**

IL32 (NM_001012636) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL32 (NM_001012636) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL32
Synonyms:	IL-32alpha; IL-32beta; IL-32delta; IL-32gamma; NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301685 representing NM_001012636. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTGCTTCCCGAAGGTCTCTCTGATGACATGAAGAAGCTGAAGGCCGAATGCACCAGGCCATAGAA
AGATTTTATGATAAAATGCAAAATGCAGAAATCAGGACGTGGACAGGACGACTTCAAAGAGGGCTACCTG
GAGACAGTGGCGGCTTATTATGAGGAGCAGCACCCAGAGCTCACTCTCTACTTGAAAAAGAAAGAGAT
GGATTACGGTGCCGAGGCAACAGATCCCCTGTCCCGGATGTTGAGGATCCCGCAACCGAGGAGCCTGGG
GAGAGCTTTTGTACAAGGTCATGAGATGGTCCAGGCCATGCTGCAGCGGCTGCAGACCTGGTGGCAC
GGGTTTCTGGCCTGGGTGAAGGAGAAGGTGGTGGCCCTGGTCCATGCAGTGCAGGCCCTTGAAACAG
TTCCAGAGTTTCTGCTGCTCTGTGAGAGCTTTCATGTCTCTTTCCAGTCTACGGAGCCCCACGG
GGGGACAAGGAGGAGCTGACACCCAGAAAGTGCTCTGAACCCCAATCCTCAAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001012636
Insert Size:	540 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001012636.1</u>
RefSeq Size:	880 bp
RefSeq ORF:	540 bp
Locus ID:	9235
UniProt ID:	<u>P24001</u>
Cytogenetics:	16p13.3
Protein Families:	Secreted Protein
MW:	20.8 kDa
Gene Summary:	<p>This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNFalpha from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (7) lacks two alternate exons in the 5' UTR and an alternate in-frame exon within the coding region, compared to variant 1, resulting in a shorter protein (isoform D). Please note that isoform D is not the same as isoform delta, which is represented by AY495333.1.</p>